

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439123

Luminaire Tested: CB3-030U-055D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439123  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB3-030U-055D-840-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

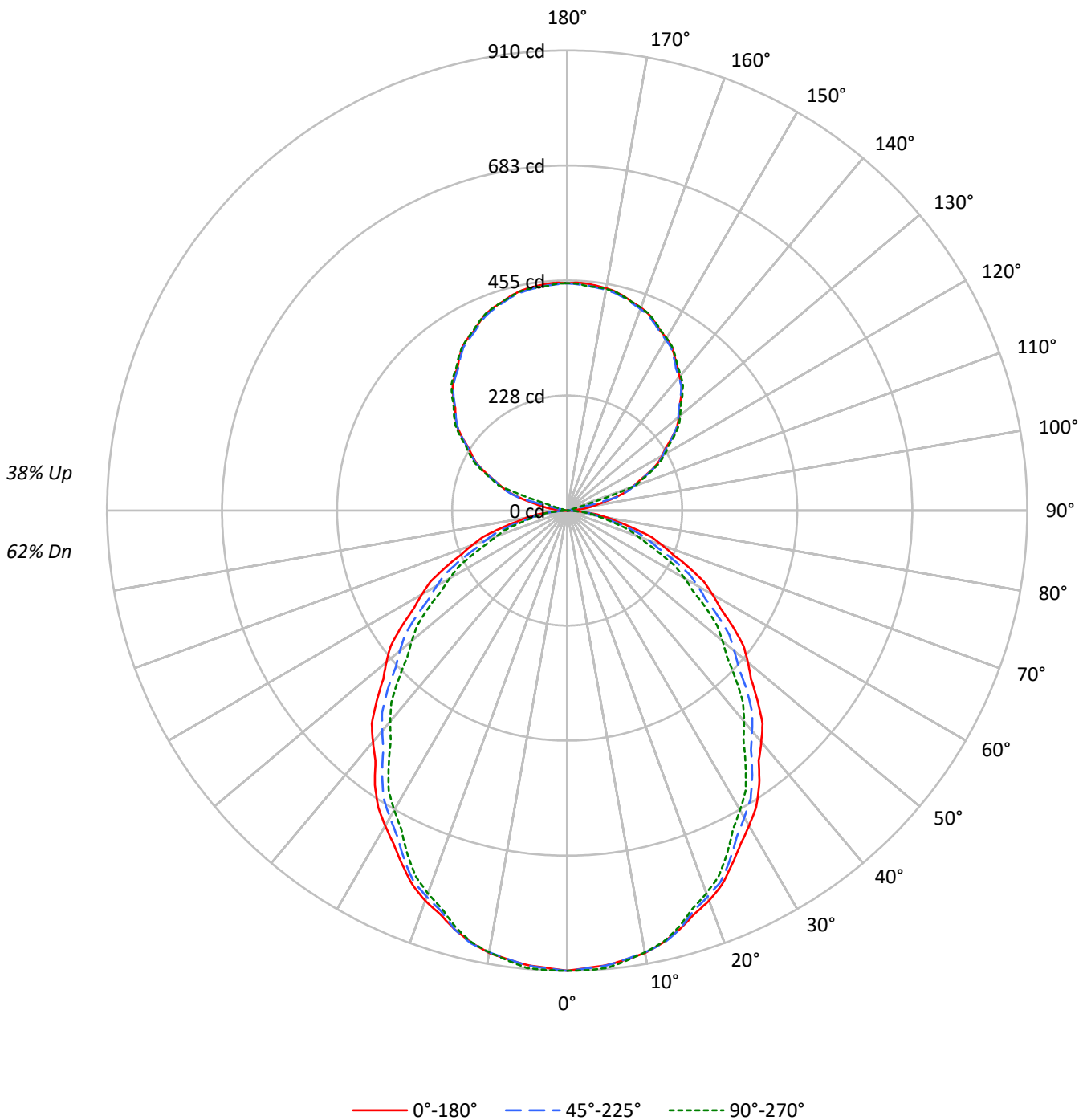
Lumens per Lamp: N/A  
Luminaire Lumens: 3505.4 lumens  
Efficiency: N/A  
Efficacy: 141.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 24.7  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1439123

CATALOG NUMBER: CB3-030U-055D-840-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	74	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10297	10297	10297
5°	10249	10256	10315
10°	10205	10190	10190
15°	10048	10048	9987
20°	9884	9783	9698
25°	9635	9514	9344
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8401	8039
45°	8522	8037	7540
50°	8215	7601	7055
55°	7881	7178	6593
60°	7520	6743	6071
65°	7095	6249	5521
70°	6606	5667	4919
75°	5989	4975	4380
80°	5226	4170	3877
85°	4024	3518	3518

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8522 cd/sqm



TEST NUMBER: P1439123

CATALOG NUMBER: CB3-030U-055D-840-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.9	2.4
10°-20°	241.3	6.9
20°-30°	350.5	10.0
30°-40°	398.5	11.4
40°-50°	386.9	11.0
50°-60°	326.6	9.3
60°-70°	232.4	6.6
70°-80°	124.2	3.5
80°-90°	32.8	0.9
90°-100°	10.4	0.3
100°-110°	75.2	2.1
110°-120°	178.7	5.1
120°-130°	228.3	6.5
130°-140°	246.3	7.0
140°-150°	232.2	6.6
150°-160°	189.4	5.4
160°-170°	123.4	3.5
170°-180°	42.7	1.2
0°-30°	677.6	19.3
0°-40°	1076.2	30.7
0°-60°	1789.7	51.1
0°-90°	2179.0	62.2
90°-120°	264.2	7.5
90°-150°	971.0	27.7
90°-180°	1326.0	37.8
0°-180°	3505.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	902	914	903	902	908	86
15°	858	865	858	853	853	242
25°	772	774	762	752	748	356
35°	663	656	638	619	615	413
45°	533	524	502	478	471	411
55°	400	389	364	340	334	357
65°	265	256	233	212	206	262
75°	137	130	114	102	100	146
85°	31	28	27	27	27	37
90°	0	0	0	0	0	2
95°	19	3	4	5	5	23
105°	95	96	98	7	8	100
115°	178	180	180	183	184	176
125°	254	255	255	258	259	226
135°	319	320	318	320	322	245
145°	371	373	368	371	373	232
155°	411	414	408	410	412	189
165°	438	440	436	434	437	124
175°	450	453	447	444	446	43
180°	450	450	450	450	450	

TEST NUMBER: P1439123

CATALOG NUMBER: CB3-030U-055D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	910.1	910.1	910.1	910.1	910.1
2.5°	905.5	914.6	906.5	907.6	909.6
5°	902.4	913.8	903.0	901.9	908.2
7.5°	895.4	905.8	894.6	892.0	897.7
10°	888.2	899.5	886.9	883.7	886.9
12.5°	875.2	887.1	877.1	871.8	874.5
15°	857.8	865.4	857.8	852.6	852.6
17.5°	836.5	844.4	830.1	826.5	825.1
20°	820.9	827.9	812.5	807.3	805.4
22.5°	800.3	806.7	793.9	785.1	782.7
25°	771.8	774.3	762.1	751.7	748.5
27.5°	743.2	743.9	727.1	714.4	710.3
30°	719.5	720.1	700.7	687.1	683.9
32.5°	695.7	693.8	675.4	659.2	657.0
35°	662.6	656.3	638.0	619.2	615.4
37.5°	622.6	618.8	597.3	578.4	572.7
40°	597.3	591.0	568.8	550.0	544.3
42.5°	571.9	564.6	542.0	521.0	514.8
45°	532.6	524.4	502.3	478.2	471.2
47.5°	493.1	484.1	459.7	436.4	428.7
50°	466.7	457.2	431.8	409.0	400.8
52.5°	439.8	429.8	404.4	381.1	374.4
55°	399.5	388.7	363.9	340.5	334.2
57.5°	359.1	348.5	323.9	301.7	294.1
60°	332.3	322.1	298.0	275.8	268.3
62.5°	304.8	295.2	271.6	250.0	242.9
65°	265.0	255.5	233.4	212.5	206.2
67.5°	225.6	217.5	195.6	176.5	171.4
70°	199.7	192.2	171.3	153.7	148.7
72.5°	174.9	166.8	147.0	132.0	128.5
75°	137.0	129.5	113.8	102.1	100.2
77.5°	102.4	96.2	82.6	76.0	75.0
80°	80.2	74.5	64.0	59.5	59.5
82.5°	59.5	54.8	48.0	46.0	46.0
85°	31.0	28.5	27.1	27.1	27.1
87.5°	9.3	9.3	8.8	8.3	8.3
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.1	2.0	1.6	2.0	1.9
95°	19.0	3.4	4.4	4.7	4.7
97.5°	38.2	37.5	5.1	6.2	6.2
100°	52.8	54.5	5.4	6.4	6.8
102.5°	69.1	70.5	10.0	6.7	7.0
105°	95.2	96.5	97.9	7.1	7.5
107.5°	121.1	122.1	123.0	110.7	41.5
110°	138.2	139.2	139.5	143.0	143.6



TEST NUMBER: P1439123

CATALOG NUMBER: CB3-030U-055D-840-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	154.2	155.4	156.1	158.9	160.1
115°	178.5	179.8	180.2	182.9	183.9
117.5°	201.6	203.0	203.6	205.8	207.4
120°	216.8	218.4	218.8	221.5	222.9
122.5°	231.7	233.6	233.4	235.9	237.8
125°	253.7	255.3	254.7	257.5	259.1
127.5°	274.6	275.6	274.2	277.6	279.0
130°	287.9	288.9	287.2	290.3	292.0
132.5°	300.1	301.6	299.7	302.5	304.2
135°	318.7	320.4	317.7	320.1	322.1
137.5°	335.3	337.3	334.1	336.9	338.6
140°	346.2	348.1	344.1	347.2	349.2
142.5°	356.2	358.7	353.9	356.7	359.0
145°	370.9	373.2	368.5	370.9	372.9
147.5°	384.8	386.8	382.3	384.1	385.5
150°	393.2	395.2	390.2	391.9	393.6
152.5°	400.0	402.8	397.8	399.0	401.4
155°	410.9	414.2	408.5	409.6	412.2
157.5°	420.8	423.8	418.1	419.0	421.4
160°	426.8	429.8	424.1	424.5	426.8
162.5°	431.4	434.1	429.2	428.5	431.4
165°	438.0	440.3	435.6	434.3	437.3
167.5°	443.4	446.1	440.3	439.2	442.6
170°	446.4	449.1	443.0	441.4	445.1
172.5°	448.3	450.7	444.9	442.8	445.6
175°	450.5	452.8	446.8	444.4	445.7
177.5°	451.1	452.9	448.1	446.0	449.2
180°	449.5	449.5	449.5	449.5	449.5

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**CIE UGR TABLE:**

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.31	17.27	17.15	18.14	19.23	15.23	16.20	16.08	17.06	18.15
	3H	17.98	18.85	18.84	19.73	20.84	16.65	17.52	17.51	18.40	19.51
	4H	18.62	19.44	19.49	20.32	21.44	17.17	17.99	18.05	18.88	20.00
	6H	19.01	19.76	19.90	20.65	21.79	17.50	18.25	18.38	19.14	20.28
	8H	19.15	19.87	20.04	20.78	21.91	17.62	18.34	18.52	19.25	20.39
	12H	19.22	19.90	20.12	20.81	21.97	17.70	18.39	18.60	19.29	20.45
4H	2H	16.73	17.55	17.61	18.43	19.56	15.87	16.69	16.75	17.57	18.70
	3H	18.63	19.31	19.52	20.23	21.37	17.50	18.18	18.39	19.10	20.24
	4H	19.38	20.00	20.28	20.91	22.08	18.11	18.73	19.01	19.64	20.81
	6H	19.89	20.43	20.81	21.36	22.53	18.53	19.06	19.45	20.00	21.17
	8H	20.08	20.58	21.00	21.51	22.69	18.70	19.20	19.62	20.13	21.31
	12H	20.18	20.64	21.13	21.58	22.77	18.81	19.26	19.75	20.21	21.40
8H	4H	19.52	20.02	20.44	20.95	22.13	18.38	18.88	19.30	19.81	20.99
	6H	20.14	20.56	21.09	21.53	22.71	18.91	19.33	19.86	20.30	21.48
	8H	20.42	20.78	21.38	21.75	22.95	19.16	19.53	20.12	20.49	21.69
	12H	20.59	20.91	21.55	21.87	23.11	19.35	19.67	20.31	20.62	21.87
12H	4H	19.50	19.95	20.44	20.90	22.08	18.39	18.84	19.33	19.79	20.97
	6H	20.16	20.53	21.12	21.49	22.69	18.97	19.34	19.93	20.30	21.50
	8H	20.46	20.79	21.42	21.74	22.99	19.26	19.58	20.22	20.53	21.78